



TEST REPORT

EN 62471:2008

Photobiological safety of lamps and lamp systems

Heytte
Hermann Huang

Note:

FULLY



Test item particulars

Lamp classification group.....:Risk Group 1

Possible test case verdicts

General remarks:

Remark:
Appendix A - EUT photos
Appendix B - Test equipment list

General Product Information:

FENVAL

	$L_B t = \frac{700}{300 t} L(\lambda, t) B(\lambda) t$	-2	-1
	$L_B = \frac{700}{300} L_\lambda B(\lambda)$		
	$E_B t = \frac{700}{300 t} E_\lambda(\lambda, t) B(\lambda) t$	-2	
	$E_B = \frac{700}{300} E_\lambda B(\lambda)$		
	$\sum_{\lambda=380}^{1400} B(\lambda) \Delta\lambda \leq 50000 \text{ W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$L_{IR} = \sum_{\lambda=780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \leq \frac{6000}{\alpha} \text{ W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$E_{IR} = \sum_{\lambda=780}^{3000} E_\lambda \cdot \Delta\lambda \leq 18000 \cdot t^{-0.75} \text{ W}\cdot\text{m}^{-2}$		

$$E_{\text{IR}} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta\lambda \leq 100$$

$\text{W}\cdot\text{m}^{-2}$

FENVAL

--	--	--	--

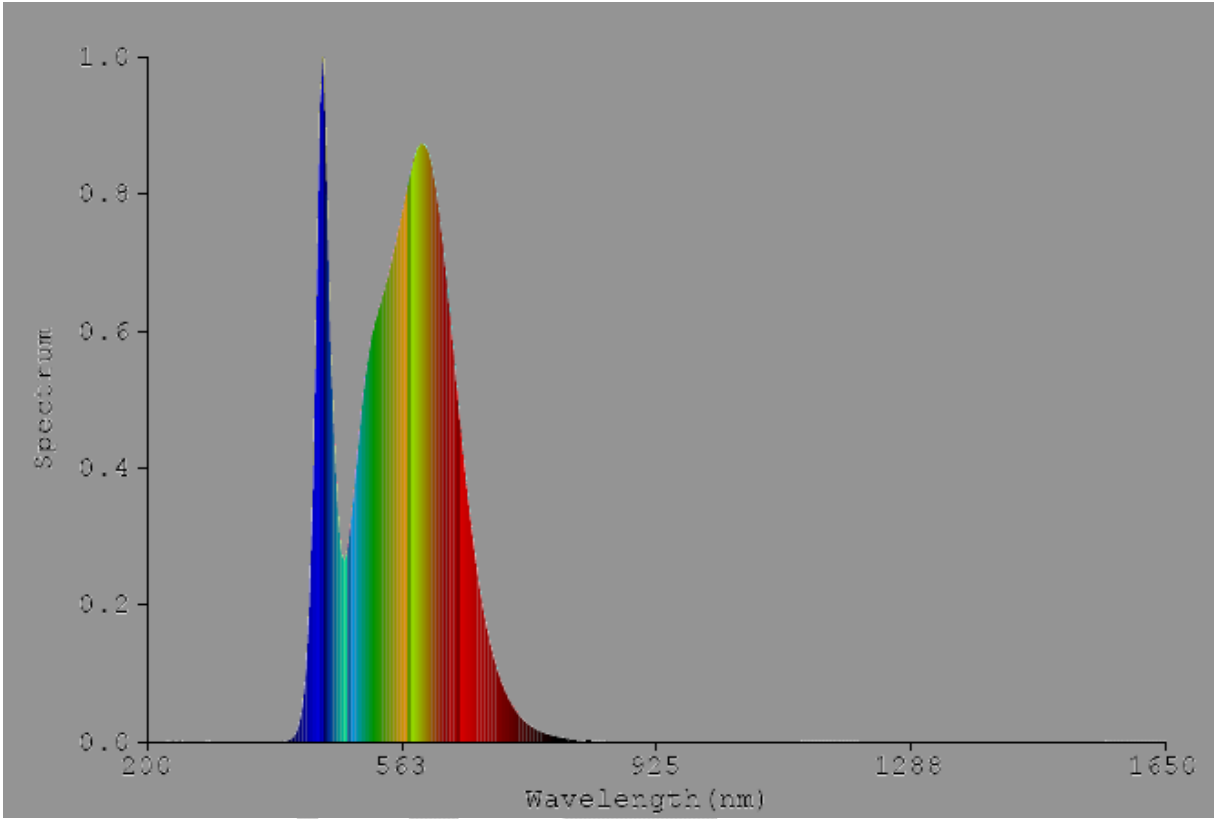
FENVAL

Table 5.4					-
Hazard Name	Relevant equation	Wavelength Range nm	Explosure aperture rad(deg)	Limiting aperture rad(deg)	EL in items of constant irradiance $W.m^{-2}$

Table 5.5					-
Hazard Name	Relevant equation	Wavelength Range nm	Explosure duration Sec	Field of view radians	EL in terms of constant radiance $W.m^{-2}.sr^{-1}$

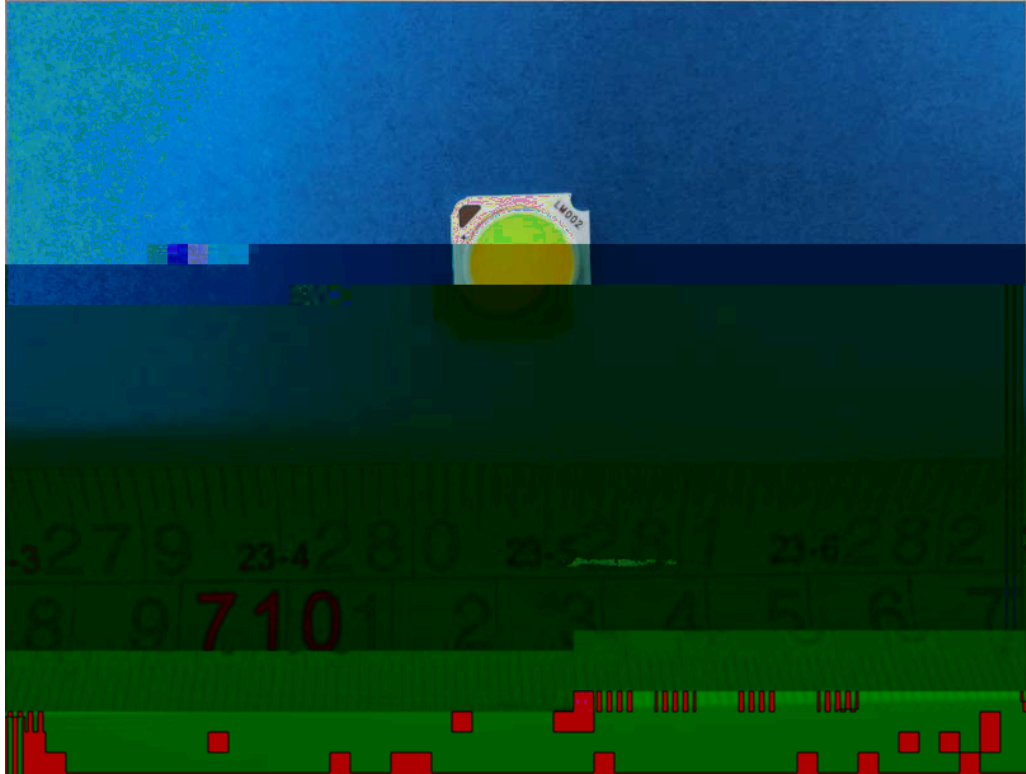


FINANCIAL

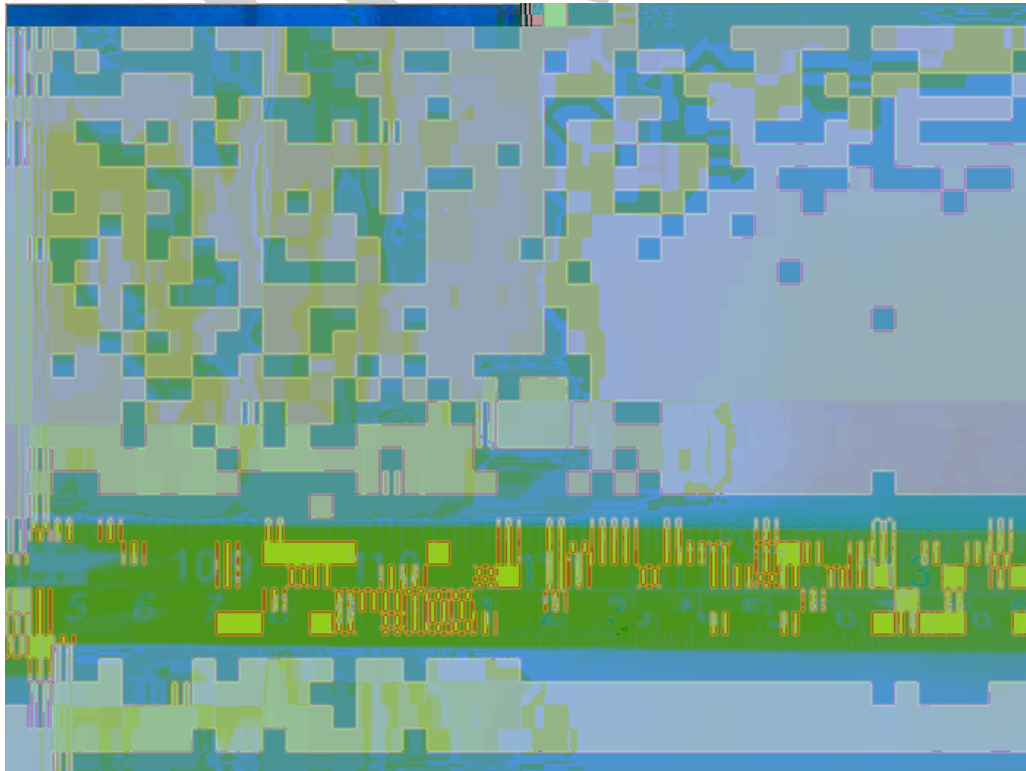




The front view of EUT



The back view of EUT





Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due

End of report